USER MANUAL FOR SESAMO AUTOMATIONS FOR SWINGING DOORS

TYPE OF AUTOMATISM	SERIAL NUMBER	DATE
❑ Piuma Millennium ❑ SWINGO		

Purpose of the manual

These instructions are intended for the manager or user of a SESAMO automatic doors installation. In order to obtain the best performance from the automatism, Sesamo recommends that you read and carefully follow the user instructions in this manual. This device has been designed for the automation of swinging doors. Any other use will be considered contrary to the use provided for by the manufacturer who, therefore, cannot be held responsible. Do not tamper with or modify the internal equipment of the automatism or any of the safety devices provided in the control unit for any reason. The manufacturer accepts no responsibility in the event the internal parts of the automatism are modified or tampered with or if safety devices are used in the system which are different from those indicated by the manufacturer.

Operation of the automatisms

Power the automatism with the mains voltage of 230V.

The automatism carries out a low-speed manoeuvre during which the length of the passageway is stored in the memory; the wings will first open and then close, stopping in the closed position.

At this point the automatism is ready to operate with modes that depend on the type of peripherals and accessories installed and the logic selected using the selector; it will carry out the automatic opening and closing of the doors so as to allow the continuous passage of people in complete safety.

The opening of the wings can be controlled by detection sensors, by the advanced or basic selector and by the push buttons for the manual control; the opening manoeuvre can be followed by a pause or by the automatic reclosing of the doors depending on the logic chosen (see the description of the logics selector).

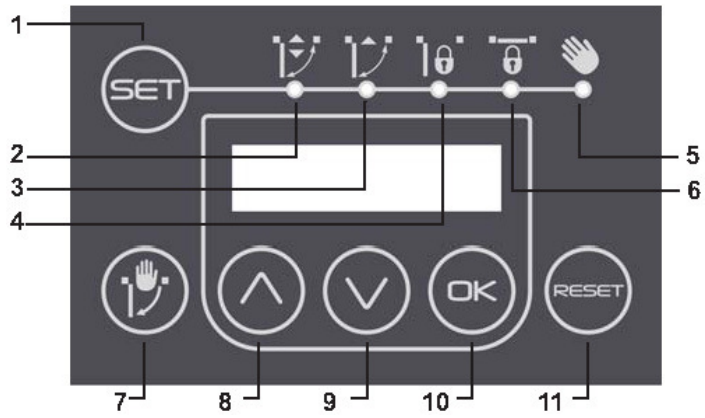
The pause of the wings in the open position facilitates the passage of people according to the needs of the customer, the pause time can be adjusted during installation.

The closing of the wings occurs automatically at the end of the pause time, at a slower speed than the opening.

The safety of the automatism is ensured by the photocells or active safety sensors that detect any presence of obstacles in the passage zone and prevent the reclosing of the wings if necessary.
For additional safety, the automatism is equipped with a sophisticated microprocessor device that, in case of danger, limits the thrust force of the wings so as not to pose a hazard for the people in transit.

For safety reasons, the automatism is designed so that it is always possible, even during power failure and with no battery, to manually move the wings after having released the locking device (if installed) with the special key.

Installation with the advanced selector



1	**Logic setting**
2	**2 radar**
3	**1 radar**
4	**Stop open**
5	**Manual opening logic**
6	**Stop close**
7	**Manual opening device**
8	**Browse command**
9	**Browse command**
10	**Confirm**
11	**Reset**

• **Stop Close**: the automatism controls the complete closure of the door wings.
In this logic the inputs START1 and START2 of the electronic control card are not monitored; if present, the electric locking system blocks the door wings.

• **Stop Open**: the automatism controls the complete opening of the door wings.In this logic the inputs START1 and START2 of the electronic control card are not monitored.

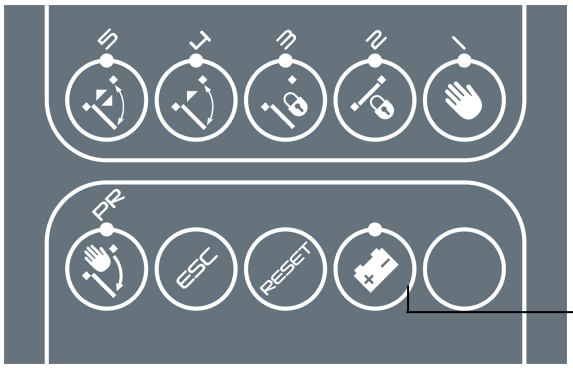
• **2 radar (Entry-exit radar)**: both the inputs START 1 and START 2 of the electronic controlcard are monitored. A signal originating from a sensor connected to one of theseinputs triggers the opening and consequent closing of the door wings.The electriclocking system, if present, never blocks the door wings.

• **1 radar (Exit-only radar)**: only the input START 2 of the electronic control card is moni-tored.A signal originating from a sensor connected to this input triggers the open-ing and consequent closing of the door wings.The electric locking system, if pres-ent, blocks the door wings every time that these reach the position of complete closure.

• **Manual opening**: the automatism controls the complete closure of the door wings. In this logic the inputs START1 and START2 of the electronic control card are not monitored and the electric locking system, if pres-ent, blocks the door wings
Pushing the “manual comand” button the automatism controls a complete opening and complete closure of the doors.

The led indicators indicate the logic currently active (led lit up).To change the logic press the SELECT key; every time the key
is pressed the led corresponding to the various logics lights up in sequence.
When the desired logic is reached, the led blinks for a few seconds; when the light remains on, the control card acquires the new logic.
If the “multislave”option is active, when change the logic, you can select a single door (select the number of the door) or operate on every door connected (select “all”)

Installation with the base selector



1	**Manual opening device**
2	**Stop close**
3	**Stop open**
4	**1 Radar**
5	**2 Radar**
PR	**Manual opening logic**
ESC	**Esc**
RESET	**Reset**
___	**Battery mode**

Stop Close: the automatism controls the complete closure of the door wings. In this logic the inputs START1 and START2 of the electronic control card are not monitored; if present, the electric locking system blocks the door wings.

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• **Manual opening**: the automatism controls the complete closure of the door wings. In this logic the inputs START1 and START2 of the electronic control card are not monitored and the electric locking system, if present, blocks the door wings The automatism controls a complete opening and complete closure of the doors when:
- you push the manual opening button
- you try to open the door with the “push&go” function active and without the electric locking system.

The led indicators indicate the logic currently active (led lit up).To change the logic press the SELECT key; every time the key is pressed the led corresponding to the various logics lights up in sequence.
When the desired logic is reached, the led blinks for a few seconds; when the light remains on, the control card acquires the new logic.
The battery led is on if the electrical power is out, the automatism runs with battery power.
The led blink to show a low charge battery level.

Installation with opening push button or with sensors without selector

Once the opening push button is pressed or the detection sensors are activated, the door carries out the opening manoeuvre with automatic reclosure after the pause.

Electronic key

Through this accessory together with the wing-locking device, it is possible to close the wings from the outside, regardless of the logic selected on the advanced or basic selector.
Any power failure following this closure will not cause the doors to open.
Each time the electronic key is inserted, the automatism passes from a normal operation state to a closed and locked state and vice versa. During the transition from the locked state to the normal operation state, the wings perform a complete opening and closing manoeuvre so as to allow the entry of a person if necessary.

Operation in case of power failure with batteries installed

Antipanic mode : during a power failure the wings will stop in the open position, from the advanced selector it is possible to select only the stop closed function.

Continuous operation : when a power failure occurs, the automatism continues to operate with the set logic until the batteries run down.

The choice of operation type is carried out during installation by a trained technician.

Cleaning and maintenance

Cleaning:

Object	**procedures**
Painted surfaces	Clean with soap and water
Anodised surfaces	Clean with non-alkaline soap (pH 5.5 / 7) and water
Photocells	Clean with a damp cloth
Selectors	Clean with a damp cloth

Maintenance: The maintenance interval on the SESAMO automatisms is determined by the intensity and conditions of use of the automation.

In high-traffic installations (airport entrances, supermarkets, shopping centres, motorway service areas, etc.) or installations operating under particularly demanding conditions (exposure to corrosive agents, near the sea, in very windy locations, wings subject to frequent impacts with moving objects such as shopping carts, etc.) it is advisable to perform maintenance on a six-month basis scheduled with a *specialized technician*.

In low-traffic installations (small businesses, private offices, residences, operating rooms, etc.), it is advisable to perform maintenance annually scheduled with a *specialized technician*.